

WHAT IS CLAIMED IS:

1. A hydraulic antivibration support for interconnecting first and second rigid elements in order to damp and filter vibration between said elements at least along a main vibration axis, the support comprising:
- first and second rigid strength members for fastening respectively to the first and second rigid elements that are to be united;
 - an elastomer body interconnecting the first and second strength members and adapted to accommodate a permanent load along the main vibration axis;
 - a liquid-filled working chamber defined at least in part by the elastomer body;
 - a flexible wall made of elastomer and secured to the second strength member;
 - a liquid-filled compensation chamber defined in part by the flexible wall made of elastomer;
 - a liquid-filled constricted passage putting the working chamber into communication with the compensation chamber; and
 - a decoupling device comprising a decoupling valve member made of elastomer interposed between a first grid which communicates with the working chamber and a second grid which communicates with the compensation chamber, the decoupling valve member comprising at least one deformable membrane which is held in a rest position in the absence of vibration and which is adapted to move elastically between the first and second grids in the presence of vibration;
- wherein the deformable membrane, when in its rest position, is closer to the second grid than to the first grid.
2. An antivibration support according to claim 1, in which the decoupling valve member, excepting the membrane, is clamped between the grids.

3. An antivibration support according to claim 1, in which the decoupling valve member presents a periphery clamped between the grids.
- 5 4. An antivibration support according to claim 1, in which the decoupling valve member presents a central zone clamped between the grids.
- 10 5. An antivibration support according to claim 1, in which the decoupling valve member presents a plurality of distinct deformable membranes.
- 15 6. An antivibration support according to claim 1, in which, in the rest position, the deformable membrane is separated from the first and second grids by respective first and second distances, with the first distance lying in the range 1.5 times to 2.5 times the second distance.
- 20 7. An antivibration support according to claim 1, in which the membrane(s) occupy(ies) 40% to 60% of the total area of the decoupling valve member.